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Malone

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(54) **ROASTING RACK**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

849,290	A *	4/1907	Vanderbilt	99/426
2,604,884	A *	7/1952	Walker	126/30
2,847,932	A *	8/1958	More	99/421 H
2,879,539	A *	3/1959	Cervin	452/58
2,887,944	A *	5/1959	Walker	99/421 HH
3,877,109	A *	4/1975	Moncrief	452/174
3,986,445	A *	10/1976	Hooton	99/426
4,407,189	A *	10/1983	Bentson	99/421 HH
4,421,017	A *	12/1983	Ross	99/421 R
4,557,188	A *	12/1985	Spanek	99/415
4,709,626	A *	12/1987	Hamlyn	99/426
5,025,715	A *	6/1991	Sir	99/421 HV
5,069,117	A *	12/1991	Schlessel	99/419
5,106,642	A *	4/1992	Ciofalo	426/509
5,442,999	A *	8/1995	Meister	99/426
5,638,742	A *	6/1997	Kassaseya	99/426
5,662,028	A *	9/1997	Fraga	99/419
5,730,046	A *	3/1998	Battaglia et al.	99/426
5,791,235	A *	8/1998	Anselmo	99/426
5,842,409	A *	12/1998	Loffler et al.	99/421 V
5,913,965	A *	6/1999	Gargano	99/346
6,039,373	A *	3/2000	Horn	294/15
6,314,869	B1 *	11/2001	Bourgeois, Jr.	99/340
6,502,503	B1 *	1/2003	Bell et al.	99/419
7,040,219	B1 *	5/2006	D'Amato et al.	99/426

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CPC **A47J 43/18** (2013.01)

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A37J 37/06

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99/421 HH; 126/29, 30, 9 R, 40, 1 R, 26,
126/25 AA, 25 A, 11; 248/439, 156, 545,
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See application file for complete search history.

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Primary Examiner — Hung D Nguyen

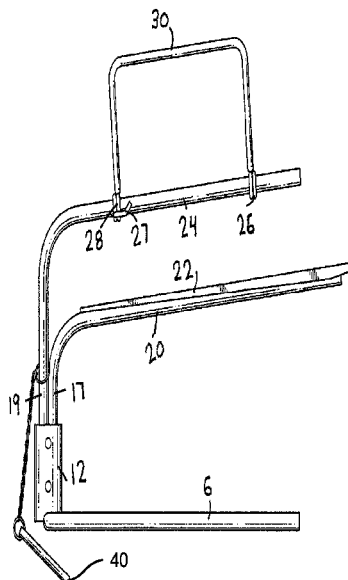
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(57)

ABSTRACT

A roasting rack for cooking fowl comprising a horizontally disposed U shaped stand having integrally interconnected and spaced apart mutually parallel legs, a vertically disposed post detachably connected to the stand, said post having first and second vertically spaced apart branches projecting over the stand where the first and second branches are situated in a vertical plane that bisects the space between the legs of the stand, a handle pivotally attached to the first branch and a fowl supporting saddle attached to the second branch.

10 Claims, 6 Drawing Sheets



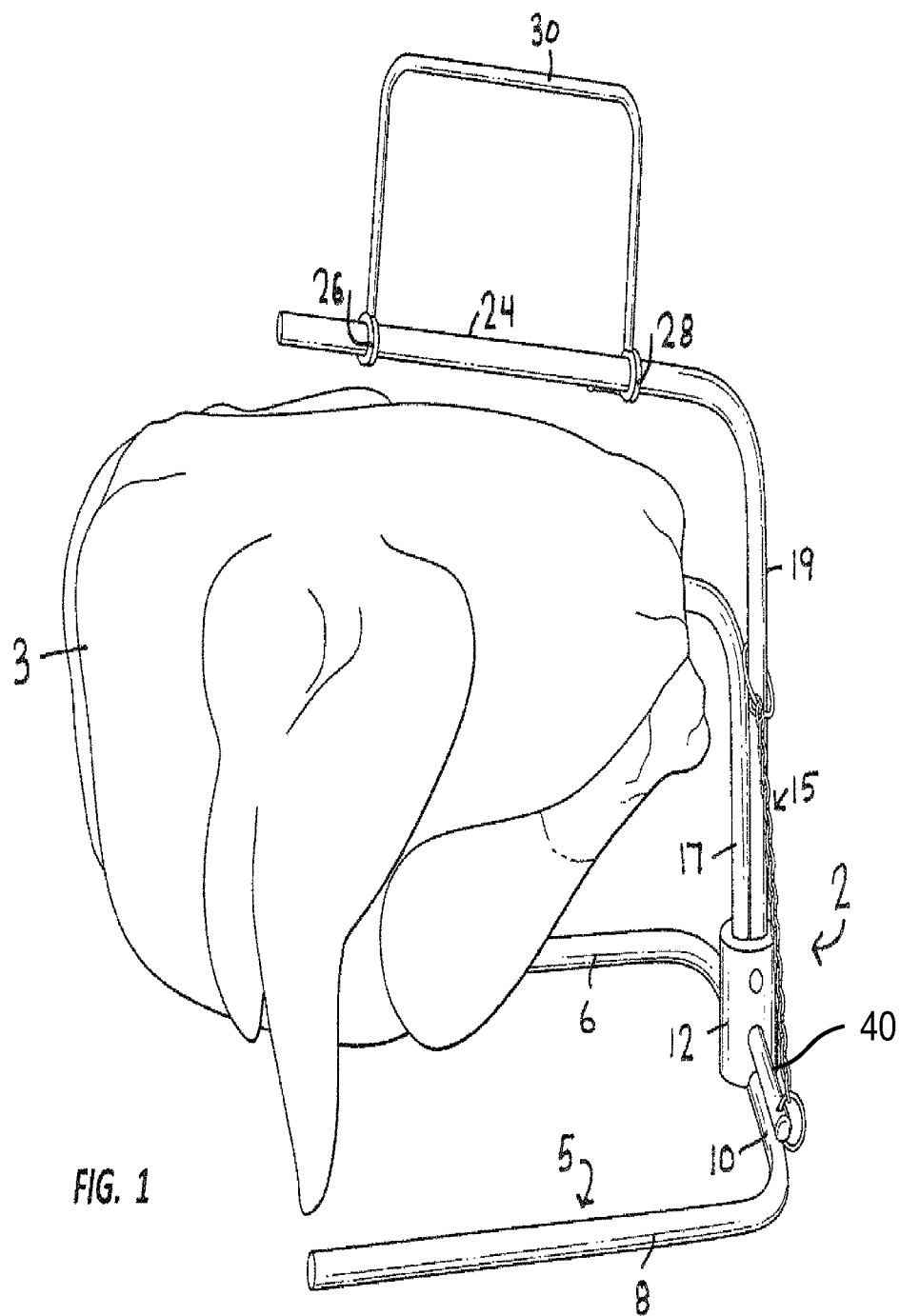
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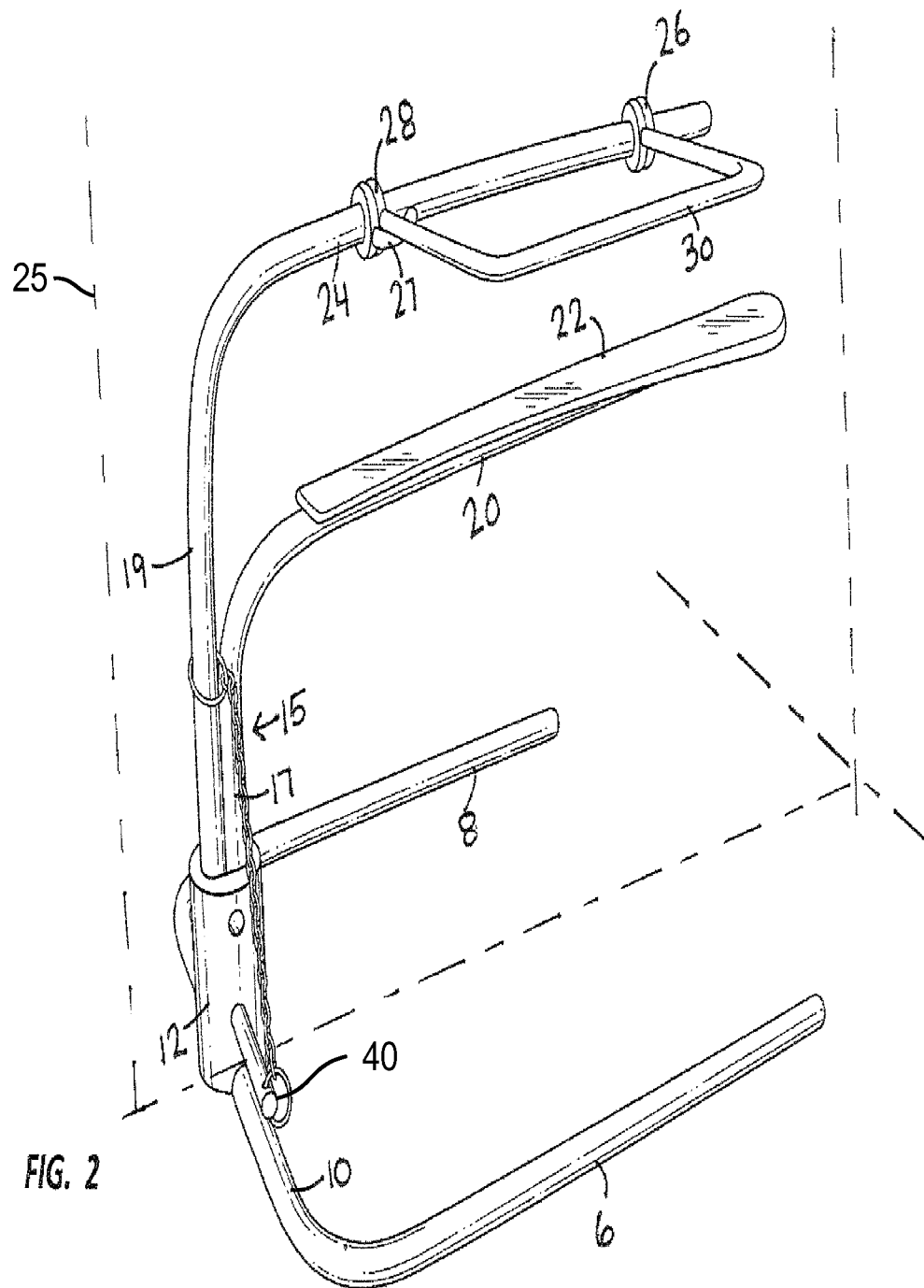
References Cited

U.S. PATENT DOCUMENTS

2002/0100371	A1 *	8/2002	Snoke et al.	99/419	2006/0283335	A1 *	12/2006	Vasquez	99/403
2004/0187699	A1 *	9/2004	Citrynell et al.	99/345	2007/0039484	A1 *	2/2007	Leibowitz	99/426
2006/0266227	A1 *	11/2006	Britt et al.	99/426	2007/0181006	A1 *	8/2007	Measom	99/345
					2009/0087535	A1 *	4/2009	Smith	426/523
					2011/0209627	A1 *	9/2011	Wong	99/419

* cited by examiner





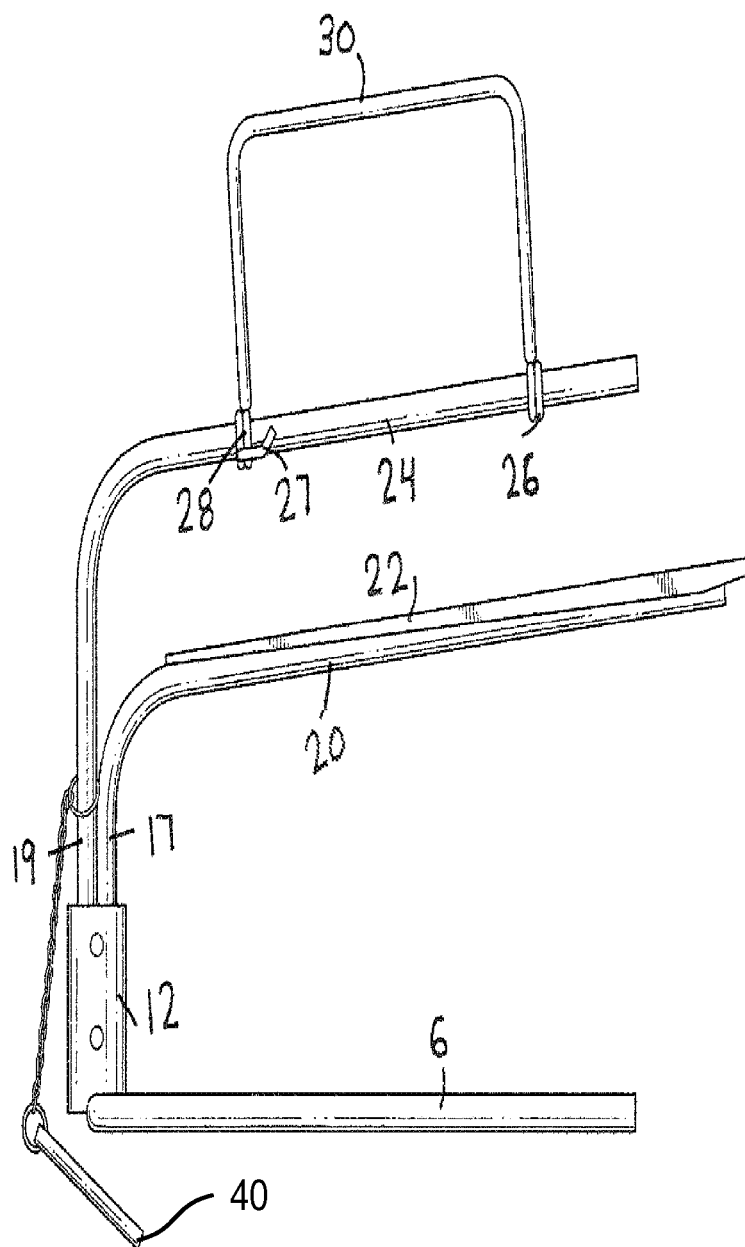


FIG. 3

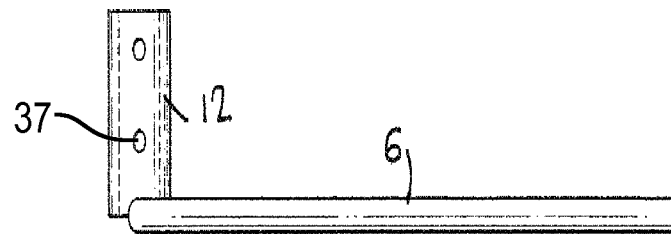


FIG. 4B

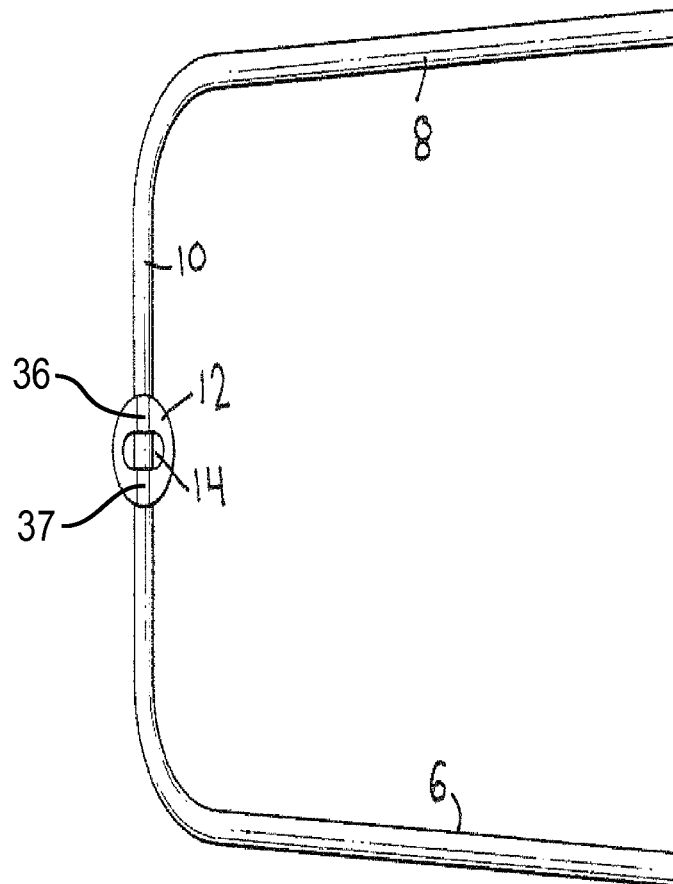


FIG. 4A

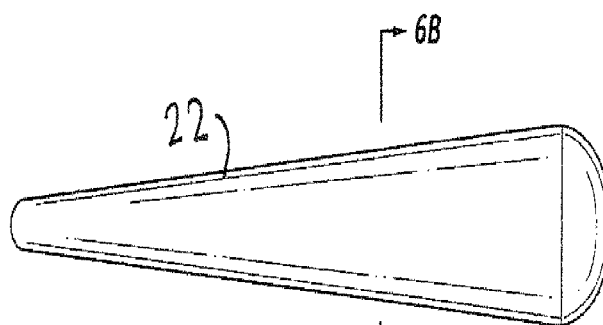
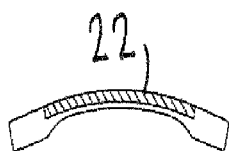
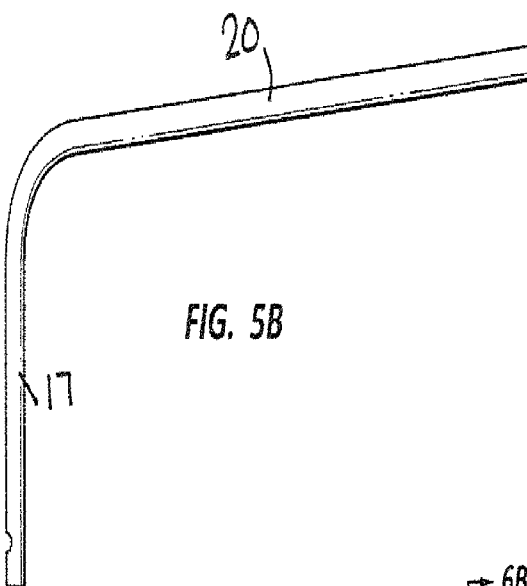
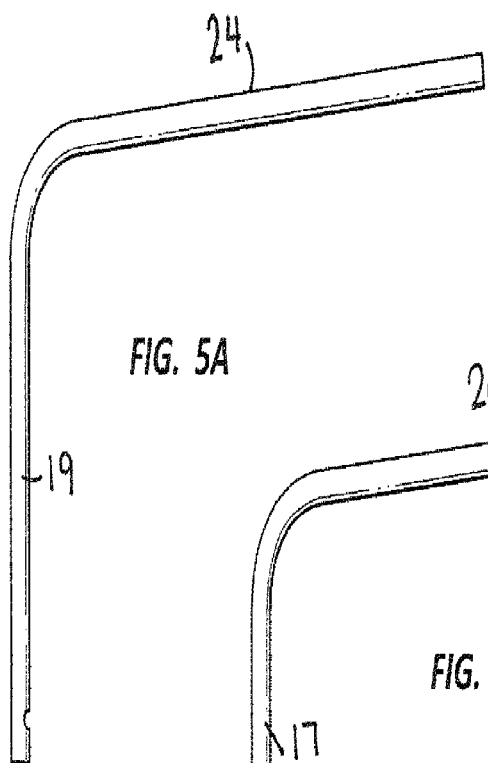


FIG. 6B

FIG. 6A

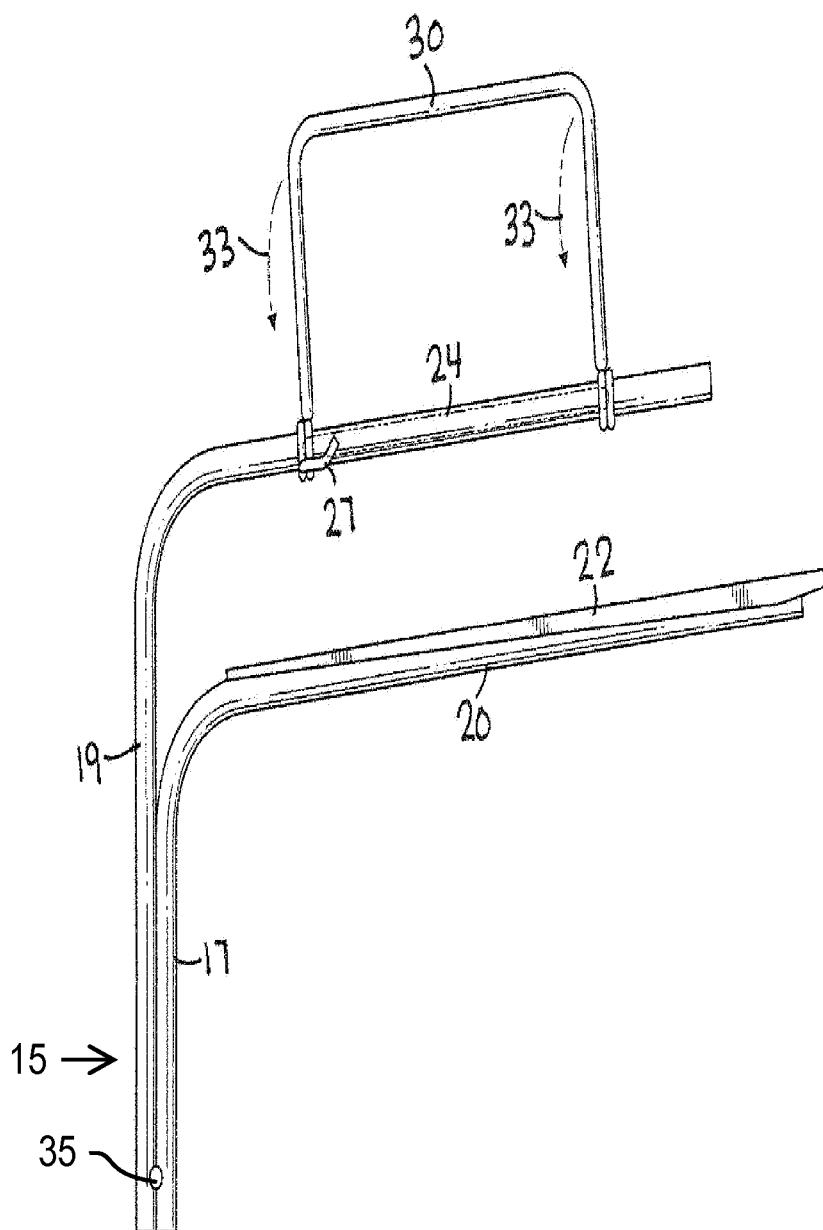


FIG. 7

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ROASTING RACK

FIELD OF THE INVENTION

The present invention relates to a device for supporting fowl in an oven or grill during the cooking process.

BACKGROUND OF THE INVENTION

Birds, such as chickens and turkeys, are most often roasted in a pan where the flat back of the bird rests on the bottom of the pan and the breast of the bird faces upwardly. In this position the meat juices tend to move downwardly toward the back and into the roasting pan. Accordingly, it is the primary object of the present invention to provide a holding rack that positions the bird upside down for cooking, allowing the juices to run into the breast instead of away from it. Additional advantages of the rack of the present invention include cooking the bird in the air and not in the fat. Basting is not required because the bird browns evenly.

SUMMARY OF THE INVENTION

The roasting rack of the present invention comprises a horizontally disposed stand having interconnected and spaced apart legs, a vertically disposed post supported by the stand, where the post has first and second vertically spaced apart and superimposed branches that project over the legs of the stand.

DESCRIPTION OF THE DRAWINGS

FIG. 1 is a side view of the roasting rack as it would appear holding a turkey.

FIG. 2 is a perspective view of the roasting rack of the present invention.

FIG. 3 is a side view of the rack.

FIG. 4A is a top view of the stand.

FIG. 4B is a side view of the stand.

FIG. 5A is a side view of a portion of the vertical support wire post having a bent portion that carries a handle, as shown in FIG. 7.

FIG. 5B is a side view of a portion of the vertical support wire post having a bent portion that carries the bird supporting saddle, as shown in FIG. 7.

FIG. 6A is a top view of the bird supporting saddle.

FIG. 6B is a cross sectional view taken along lines 6B of FIG. 6A.

FIG. 7 is a side view of the vertically superimposed branches of the supporting post.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

The roasting rack 2 of the present invention is shown in FIGS. 1 and 2. FIG. 1 is illustrative of the stand supporting a turkey 3 that is held upside down by the roasting rack. In order to support a weight of twenty five to thirty pounds, the basic elements are preferably constructed of stainless steel rod or wire having a diameter in the order of $\frac{5}{16}$ of an inch. A horizontally positioned stand 5 for the rack includes a U shaped base having mutually parallel spaced apart legs 6 and 8 that are integrally interconnected by bar 10. A rigid mounting sleeve 12 is fixedly secured to the midpoint of the bar 10 so that the longitudinal axis of the sleeve is vertical and

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perpendicular to the bar 10. The central opening 14 through the sleeve is shaped to accept the supporting post 15 of the rack.

In the preferred embodiment of the invention the bird 3 to be roasted is supported by one substantially horizontal branch 20 of the supporting post 15 which is bent from and is integral with a circular rod 17 forming one half of the vertically disposed post 15. Mounted on the top side of the branch 20 is a bird supporting saddle 22 which is intended to make broad contact with the interior of the bird and provide sufficient support so that the bird will not tend to rotate on the rod that comprises the branch 20.

Superimposed over the bird carrying branch 20 of the rack is a handle mounting branch 24 which is bent substantially horizontally from a rod 19 forming the other half of the post 15. Both the rod 24 and the rod 20 are located in a vertical plane 25 that bisects the space between the stand legs 6 and 8. The branch 24 carries a handle 30 that is attached to the branch rod 24 by circular wire wraps 26 and 28 that are loosely arranged around the branch rod so as to allow the handle to rotate around the branch, as indicated by the arrows 33 in FIG. 7. One end 27 of the wire wrap 28 protrudes away from the rod 24 and acts as a stop for the rotation of the handle where it may reside over the breast of the bird, as shown in FIG. 2 or be raised into a carrying position, as shown in FIGS. 1 and 3. The handle branch 24 is positioned directly over the bird holding branch 20 in order to balance the load when in the carrying mode.

For convenience in storing the roasting rack, the post 15 and its integral branches 20 and 24 are preferably detachable from the stand 5. In order to use the rack, the post 15 is inserted into the central opening 14 of the sleeve 12. When inserted, an aperture 35 in the post 15 comes into alignment with aligned apertures 36 and 37 in the sleeve 12. The shaft of a pin 40 is inserted into the aligned apertures to secure the post 15 to the stand 5. After use, the pin 40 can be removed so that the two elements of the rack may be separated and positioned together in a single plane for compact storage.

What is claimed is:

1. A roasting rack comprising,
 - a horizontally disposed stand having interconnected and spaced apart legs,
 - a sleeve vertically attached to the midpoint of said stand, said sleeve comprising a vertical central opening and a horizontal side opening intersecting said vertical central opening,
 - a vertically disposed post inserted in said central opening, said post having a first vertical rod bent laterally into a first horizontally disposed branch and a second vertical rod bent laterally into a second horizontally disposed branch wherein said first rod comprises a first notch and said second rod comprises a second notch facing said first notch, and
 - a pin inserted through said side opening and between said first and second notch such that said post is anchored in said sleeve,
 - a fowl supporting saddle carried by the second branch; and
 - a handle pivotally attached to said first branch by a first and second wire wrap; wherein said first wire wrap protrudes away from said first branch to act as a stop for the rotation of said handle such that said handle may reside in a horizontally disposed orientation said saddle being made of a planar sheet of material bent into a downwardly facing longitudinal open curve around said second branch.

2. The roasting rack of claim 1 where the first and second branches are situated in a vertical plane that bisects the space between the legs of the stand.

3. The roasting rack of claim 1 where the vertically disposed post is detachably connected to the stand. 5

4. The roasting rack of claim 1 wherein said stand is made from a stainless steel rod with a diameter of $\frac{5}{16}$ inch or greater.

5. The roasting rack of claim 1 wherein said saddle has a narrow end near said post and a wide end away from said post. 10

6. The roasting rack of claim 1 wherein said legs are splayed open.

7. The roasting rack of claim 1 wherein said first vertical rod and said second vertical rod have the same diameter, the horizontal width of said vertical opening is equal to or greater 15 than said rod diameter, and the horizontal length of said vertical opening is equal to or greater than twice said rod diameter.

8. The roasting rack of claim 1 wherein said first vertical rod and said second vertical rod are bonded to each other. 20

9. The roasting rack of claim 1 wherein said first branch and said second branch are parallel to each other and inclined away from said post at an upward angle relative to horizontal.

10. The roasting rack of claim 1 wherein said saddle and said second branch extend horizontally past the ends of said 25 legs.

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